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1 [Nanowire-based programmable architectures](#)



André Dehon

 July 2005 [ACM Journal on Emerging Technologies in Computing Systems \(JETC\)](#), Volume 1

Publisher: ACM

 Full text available: [pdf\(2.25 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 400, Citation Count: 3

Chemists can now construct wires which are just a few atoms in diameter; these wires can be selectively field-effect gated, and wire crossings can act as diodes with programmable resistance. These new capabilities present both opportunities and challenges ...

Keywords: Defect tolerance, Manhattan mesh, nanowires, programmable interconnect, programmable logic arrays, stochastic construction, sublithographic architecture

2 [Structured streams: a new transport abstraction](#)



Bryan Ford

 August 2007 [SIGCOMM '07: Proceedings of the 2007 conference on Applications, technologies, architectures, and protocols for computer communications](#)

Publisher: ACM

 Full text available: [pdf\(694.88 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 226, Citation Count: 0

Internet applications currently have a choice between stream and datagram transport abstractions. Datagrams efficiently support small transactions and streams are suited for long-running conversations, but neither abstraction adequately supports applications ...

Keywords: SST, TCP, best-effort, datagram, fairness, mobility, multimedia, reliable, stream, transport protocols, web transport

3 [An anchor chain scheme for IP mobility management](#)

Yigal Bejerano, Israel Cidon

 September 2003 [Wireless Networks](#), Volume 9 Issue 5

Publisher: Kluwer Academic Publishers

 Full text available: [pdf\(278.55 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 26, Citation Count: 0

This work presents a simple mobility scheme for IP-based networks, termed the "anchor chain" scheme. The scheme combines pointer forwarding and caching methods. Every mobile host (MH) associated with a chain of anchors that connects it to its home ...

Keywords: cellular systems, location management, mobile-IP, mobility management, personal communication system, wireless systems

4 [Exploiting perception in high-fidelity virtual environments](#)



Additional presentations from the 24th course are available on the citation page

Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez

July 2006 SIGGRAPH '06: ACM SIGGRAPH 2006 Courses

Publisher: ACM

Full text available: pdf(5.07 MB) mov(68.6 MIN) **Additional Information:** full citation, appendices and supplements, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 173, Downloads (12 Months): 1546, Citation Count: 1

The objective of this course is to provide an introduction to the issues that must be considered in building high-fidelity 3D engaging shared virtual environments. The principles of human percept guide important development of algorithms and techniques ...

Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer interaction, multi-user, networked applications, perception, virtual reality

5 [Hash-based IP traceback](#)



Alex C. Snoeren

August 2001 SIGCOMM '01: Proceedings of the 2001 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM

Full text available: pdf(179.03 KB) **Additional Information:** full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 146, Citation Count: 68

The design of the IP protocol makes it difficult to reliably identify the originator of an IP packet. in the absence of any deliberate attempt to disguise a packet's origin, wide-spread packet forwarding techniques such as NAT and encapsulation ...

6 [Integration of mobile-IP and OLSR for a universal mobility](#)

Mounir Benzaid, Pascale Minet, Khaldoun Al Agha, Cedric Adjih, Geraud Allard

July 2004 Wireless Networks, Volume 10 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: pdf(418.15 KB) **Additional Information:** full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 98, Citation Count: 0

Trends in fourth generation (4G) wireless networks are clearly identified by the full-IP concept with all traffic (data, control, voice and video services, etc.) will be transported in IP packets. Many proposals are being made to enhance IP with the ...

Keywords: Mobile-IP, OLSR, macro-mobility, micro-mobility, mobile ad-hoc networks, mobility management

7

[SmartBridge: a scalable bridge architecture](#)



Thomas L. Rodeheffer, Chandramohan A. Thekkath, Darrell C. Anderson
 August 2000 SIGCOMM '00: Proceedings of the conference on Applications, Technologies, Architect
 and Protocols for Computer Communication

Publisher: ACM

Full text available: pdf(202.23 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 49, Citation Count: 1

As the number of hosts attached to a network increases beyond what can be connected by a sin
 local area network (LAN), forwarding packets between hosts on different LANs becomes an issue
 Two common solutions to the forwarding problem are IP ...

8 [An interactive tool for placing curved surfaces without interpenetration](#)



John M. Snyder

September 1995 SIGGRAPH '95: Proceedings of the 22nd annual conference on Computer graphics
 interactive techniques

Publisher: ACM

Full text available: pdf(229.95 KB) ps(5.21 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 46, Citation Count: 10

Keywords: collision detection, contact point, object placement/assembly

9 [Hash-based IP traceback](#)



Alex C. Snoeren

October 2001 ACM SIGCOMM Computer Communication Review, Volume 31 Issue 4

Publisher: ACM

Full text available: pdf(179.93 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 146, Citation Count: 68

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10 [SmartBridge: a scalable bridge architecture](#)



Thomas L. Rodeheffer, Chandramohan A. Thekkath, Darrell C. Anderson

October 2000 ACM SIGCOMM Computer Communication Review, Volume 30 Issue 4

Publisher: ACM

Full text available: pdf(202.23 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 49, Citation Count: 1

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 Two common solutions to the forwarding problem are IP ...

11 [Structured streams: a new transport abstraction](#)



Bryan Ford

October 2007 ACM SIGCOMM Computer Communication Review, Volume 37 Issue 4

Publisher: ACM

Full text available:  pdf(694.88 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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